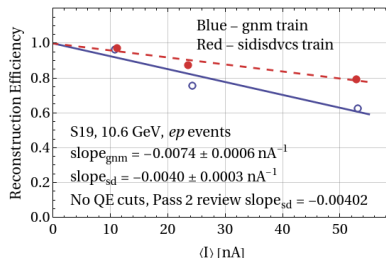


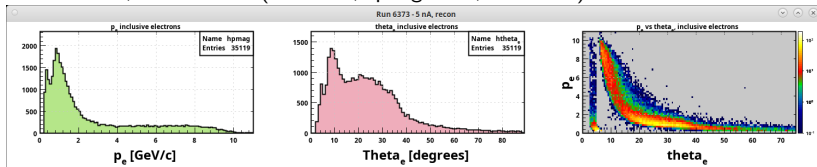
- ① Steeper slope of reconstruction efficiency with luminosity observed for ep events from gnm train compared with sidisdvcs train.
- ② Validate the gnm analysis by combining low-luminosity data with high-luminosity background events and compare results with full, high-luminosity measurements. See CLAS12-NOTE 2020-005.



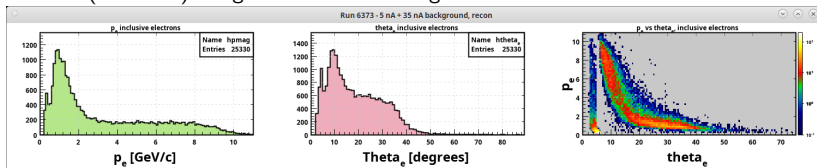
- ③ Steps.
 - ① Update the 5-nA, reconstructed data (run 6373). The spring, 2019 data files did not include the dictionary so this has to be done first.
 - ② Merge the 5-nA data from the previous step with the 35-nA background data.
 - ③ Run the denoising code on the output of the previous step.
 - ④ Reconstruct the output of the previous step using coatjava 10.0.2.
 - ⑤ Start post-reconstruction analysis.

Combine Low-luminosity data with Background runs

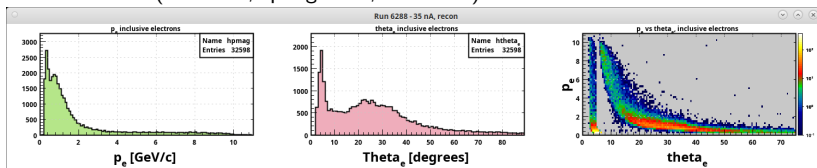
Clean, 5-nA results (run 6373, spring 2019, 10.6 GeV). First 50k events.



5-nA data (run 6373) merged with 35-nA background and reconstructed. First 50k events.



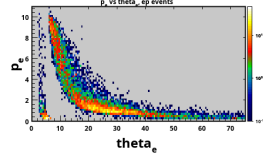
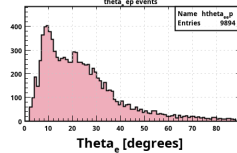
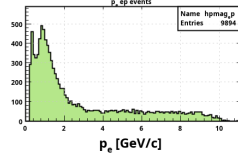
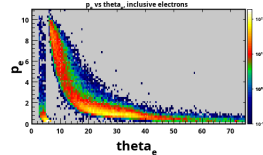
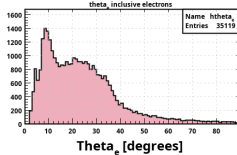
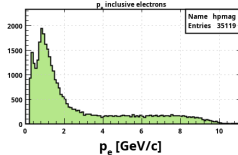
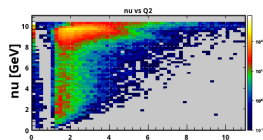
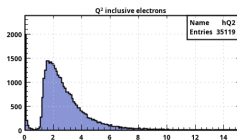
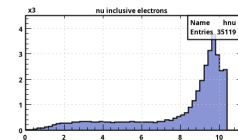
35-nA data (run 6288, spring 2019, 10.6 GeV) reconstructed. First 50k events.



Next Steps

- ① Continue checking results in initial analysis
- ② Develop scripts for ifarm to analyze complete files.
- ③ Getting analysis using Lamya's code working.

More distributions



More distributions

